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ORIGINALLY FILED

Attorney's Docket No.: 01948-059001

1623

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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AUG 28 2002

TECH CENTER 1600/2900

Applicant : Yingyos Avihingsanon, et al. Art Unit : 1623
Serial No. : 09/777,732 Examiner :
Filed : February 6, 2001
Title : MEASUREMENT OF PROTECTIVE GENES IN ALLOGRAFT REJECTION

Commissioner for Patents
Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73 (b) BETH ISRAEL DEACONESS MEDICAL CENTER, INC., a corporation, and CORNELL RESEARCH FOUNDATION, INC. a corporation, certify that they are the assignees of 100% of the right, title and interest in the patent application identified above by virtue of:

☒ An Assignment from the inventors of the patent application identified above. The assignment is to be submitted to the U.S. Patent and Trademark Office for recordation concurrently with the Revocation and New Power of Attorney (copy enclosed).

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignees identified above.

The undersigned, whose title is supplied below, are empowered to act on behalf of the assignees.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

LEE CREWS, Ph.D.
Reg. No. 43,567
FISH & RICHARDSON P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

Aug. 19, 2002

Signature

Deborah R. Nast

Deborah R. Nast

Typed or Printed Name of Person Signing Certificate

Applicant : Yingyos Avihingsanon, et al.
Serial No. : 09/777,732
Filed : February 6, 2001
Page : 2

Attorney's Docket No.: 01948-059001

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

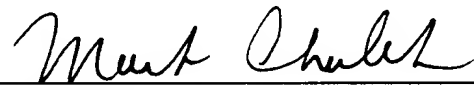
LEE CREWS, Ph.D.
Reg. No. 43,567
FISH & RICHARDSON P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

BETH ISRAEL DEACONESS MEDICAL
CENTER, INC.

Date: 9/11/02


Mark Chalek
Chief, Business Ventures

CORNELL RESEARCH FOUNDATION, INC.

Date: _____

By: _____
Title: _____

Fish & Richardson P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

Applicant : Yingyos Avihingsanon, et al.
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Respectfully submitted,

BETH ISRAEL DEACONESS MEDICAL
CENTER, INC.

Date: _____

Mark Chalek
Chief, Business Ventures

CORNELL RESEARCH FOUNDATION, INC.

Date: *X May 14, 2002* _____

X James A. Severson

By: James A. Severson
Title: President

Fish & Richardson P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906



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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

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1. Name of conveying party(ies):

Yingyos Avihingsanon, Naili Ma, Terry B. Strom,
Miguel P. Soares, Christiane Ferran,
Manikkam Suthanthiran

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Beth Israel Deaconess Medical Center, Inc.
One Deaconess Road
Boston, Massachusetts 02115

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3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

Execution Dates: 4/12/2002; 4/18/2002; 4/17/2002;
8/14/2002; 4/11/2002;
4/10/2002

Cornell Research Foundation, Inc.
20 Thornwood Drive, Suite 105
Ithaca, New York 14850

Additional names/addresses attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No(s):

09/777,732

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

LEE CREWS, PH.D.
Fish & Richardson P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR §3.41): \$40

- ☒ Enclosed
☐ Authorized to charge Deposit Account.

8. Deposit Account No.: 06-1050

Please apply any additional charges, or any credits, to our
Deposit Account No. 06-1050.

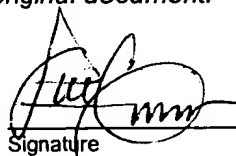
DO NOT USE THIS SPACE

9. Statement and Signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Lee Crews, Ph.D.

Reg. No. 43,567

Name of Person Signing


Signature

August 19, 2002
Date

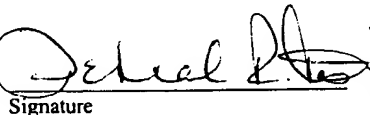
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Aug. 19, 2002
Date of Deposit


Signature

Deborah R. Nast
Typed Name of Person Signing Certificate

ASSIGNMENT

For valuable consideration, we, YINGYOS AVIHINGSANON of Boston, MA, NAILI MA of Winchester, MA, TERRY B. STROM of Brookline, MA, MIGUEL C. SOARES of Boston, MA, CHRISTIANE FERRAN of Brookline, MA, MANIKKAM SUTHANTHIRAN of Scarsdale, NY, hereby assign to:

Beth Israel Deaconess Medical Center, Inc., a Massachusetts corporation located at:

One Deaconess Road
Boston, Massachusetts 02115; and

Cornell Research Foundation, Inc., a Massachusetts corporation located at:

445 East 69th Street, Suite 420
New York, NY 10021; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MEASUREMENT OF PROTECTIVE GENES IN ALLOGRAFT REJECTION, filed February 6, 2001, and assigned U.S. Serial Number 09/777,732; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at BOSTON, MA
this 12th day of APRIL, 2002.

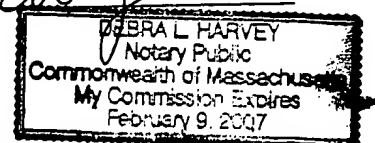
Yingyos Avihingsanon L.S.
YINGYOS AVIHINGSANON
N 4-12-02

State of MASSACHUSETTS:
: ss.
County of SUFFOLK :

Before me this 12th day of APRIL, 2002, personally appeared YINGYOS AVIHINGSANON known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Debra L. Harvey
Notary Public
My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at BOSTON, MA
 this 18th day of APRIL, 2002.

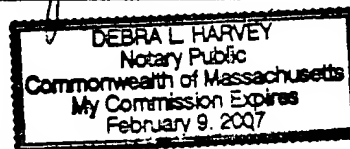
Naili Ma L.S.
 NAILI MA

State of MASSACHUSETTS :
 County of SUFFOLK : ss.

Before me this 18th day of APRIL, 2002, personally appeared NAILI MA
 known to me to be the person whose name is subscribed to the foregoing Assignment and
 acknowledged that he executed the same as his free act and deed for the purposes therein
 contained.

Debra L Harvey
 Notary Public
 My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at BOSTON, MA
 this 17th day of APRIL, 2002.

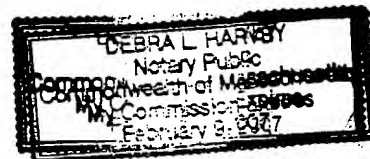
Terry B. Strom L.S.
 TERRY B. STROM

State of MASSACHUSETTS :
 County of SUFFOLK : ss.

Before me this 17th day of APRIL, 2002, personally appeared TERRY B. STROM
 known to me to be the person whose name is subscribed to the foregoing Assignment
 and acknowledged that he executed the same as his free act and deed for the purposes therein
 contained.

Debra L Harvey
 Notary Public
 My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at BOSTON, MASSACHUSETTS
this ____ day of _____, 2002.

MIGUEL P. SOARES, _____ L.S.
MIGUEL P. SOARES

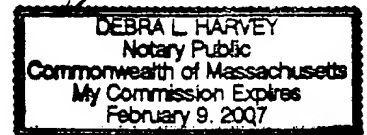
U.P.S 8/14/2002

State of MASSACHUSETTS :
: ss.
County of SUFFOLK :

Before me this 14th day of AUGUST, 2002, personally appeared MIGUEL C. SOARES known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Debra L Harvey
Notary Public
My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at _____
this ____ day of _____, 2002.

CHRISTIANE FERRAN L.S.

State of _____ :
: ss.
County of _____ :

Before me this ____ day of _____, 2002, personally appeared CHRISTIANE FERRAN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public
My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____
this ____ day of _____, 2002.

MIGUEL C. SOARES

L.S.

State of _____ :
: ss.
County of _____ :

Before me this ____ day of _____, 2002, personally appeared MIGUEL C. SOARES known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public
My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at BOSTON, MA
this 11th day of APRIL, 2002.

Christiane Ferran
CHRISTIANE FERRAN

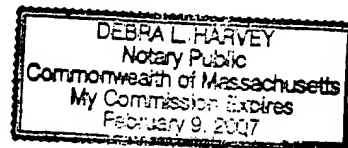
L.S.

State of MASSACHUSETTS :
: ss.
County of SUFFOLK :

Before me this 11th day of APRIL, 2002, personally appeared CHRISTIANE FERRAN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Debra L. Harvey
Notary Public
My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at 525 East 68th Street, New York, NY.
this 10th day of April, 2002.

~~MANIKKAM SUTHANTHIRAN~~

L.S.

State of New York :
County of New York : ss.

Before me this 10th day of April, 2002, personally appeared MANIKKAM SUTHANTHIRAN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public

My Commission Expires: December 4, 2002

[Notary's Seal Here]

20416545.doc

MARILYN BURMAN
Notary Public, State of New York
No. 01BU6051713
Qualified in New York County
Commission Expires Dec. 4, 2022